Wednesday, July 13, 2011 12:45:00 PM

Item ID:

D3281-2L02

Revision ID:

Item Name:

Floor Protector, Fwd RH (Black)

Start Date:

7/13/2011

Start Qty: 5.00

Required Date: 7/20/2011

Req'd Qty: 5.00



Reference:

Approvals:

Sequence ID/

Work Center ID

Process Plan:

Operation

Description

ME

Date: 11-07-13 Tooling:

Accept

Date:

SPC (Y/N):

Set Up/ **Run Hours**

Draw Nbr **Revision Nbr**

QC:

D3281

Rev F

DSI 9504

100

Α

Thermoform

Thermoforming Machine

HAND FINISHING THERMOFORMING

Memo

Cut Blanks

0.00

0.00

105

HandThermo

Hand Finishing Thermoforming

Dry Material

Memo

0.00

0.00

Dry Sheet as per QSI022 POLYCARBONATE

Time IN: 4:30 Am 11/07/14
Time OUT: 7:00 am 17/07/15

Setup Start

Stop



Cust Item ID: Customer:

Tool ID

Date:

Date:

Tool # Plan

Code

Run

Reject

Qty

Start

Stop

Reject Insp. Number Stamp

Accept

Qty

Dart Aerospace	Ltd
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Johago								
		WC	RK ORDER CHANGI	ES				
STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
:	PAR #:	Fault Cate	gory:	NCR: Yes	Date:			
R	esolution:	Dispositio	າ:	QA: N/C Cl	osed:		Date: _	
		WORK ORDI	ER NON-CONFORMA	NCE (NCR)			
STEP	Description of NC Section A	Initial	Action Description	Sign &			Approval Chief Eng	Approval QC Inspector
		0	Onlor Ling					
	·							
	:R	PAR #:PAR #:	PAR #: Fault Cate Resolution: Disposition WORK ORDI STEP Description of NC	STEP PROCEDURE CHANGE PAR #: Fault Category: Resolution: Disposition: WORK ORDER NON-CONFORMA STEP Description of NC Section A Corrective Action Section Initial Action Description	PAR #: Fault Category: NCR: Yes Resolution: Disposition: QA: N/C Clo WORK ORDER NON-CONFORMANCE (NCR STEP Description of NC Section A Section B Initial Action Description Sign &	STEP PROCEDURE CHANGE By Date PAR #: Fault Category: NCR: Yes No DQ. Resolution: Disposition: QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) STEP Description of NC Section A	STEP PROCEDURE CHANGE By Date Qty	STEP PROCEDURE CHANGE By Date Qty Chief Eng / Prod Mgr

Wednesday, July 13, 2011 12:45:00 PM

Item ID:

D3281-2L02

Accept

Setup Start

Stop

Revision ID:

Item Name: Floor Protector, Fwd RH (Black)

Start Date:

Required Date: 7/20/2011

7/13/2011

Start Qty: 5.00 Req'd Qty: 5.00

Operation

Description

Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

Reject

Qty

Start

Reject

Number

QC:

Date:

SPC (Y/N):

Set Up/

Run Hours

Date:

Code

Tool # Plan

Stop

Insp.

Stamp

Sequence ID/ Work Center ID

110

Thermoform

THERMOFORMING MACHINE

Memo

0.00

0.00

Thermoforming Machine

Thermoform as per Dwg. D3281 and Folio FTA 008

Dwg. Rev.

Folio Rev.

QC2- Inspect parts off machine FAI/FAIB

0.00

Quality Control

Memo

0.00

0.00

0.00

Accept

Qty

X5

130

120

Thermoform

Thermoforming Machine

Trim to Finished Dimensions

HAND FINISHING THERMOFORMING

Memo

W/O:	-		M	ORK ORDER CHANGES				
DATE	STEP	PROC	EDURE CH	IANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				Morodamine				
Part No:	D328	31-2 Lo - PAR #:	Fault Ca		R: Yes	lo DQA:	∕ Date: <u>\</u>	107/22
JUL		esolution:	Disposit		A: N/C Clo	Let .	(1)	11-0725
NCR: 7	1916	Wo	ORK OR	DER NON-CONFORMANC	E (NCR)	1 (2.10)		.,
DATE	STEP	Description of NC		Corrective Action Section B	- - √	Verification	Approval	Approval
		Section A'	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
11/07/15	110.	Rut fell in mould.	if	Clean Mould -	i du	Mal	P	MW
		Rut fell in mould.	11.67.72 Brun	Clean Mould - Scrap & Replace 1 part.	11/07/13	11.07 22	11.1722	11.07.15
		•	Colore	•			93101	
÷					1			
		·						
NOTE: D	ate & initia	al all entries	I		1	.1		

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevE

Wednesday, July 13, 2011 12:45:00 PM

Item ID:

D3281-2L02

Revision ID:

Item Name:

Floor Protector, Fwd RH (Black)

Start Date:

7/13/2011

Start Qty: 5.00

Required Date: 7/20/2011

Req'd Qty: 5.00



Accept



Setup Start

Stop

Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

QC:

Date: Date:

Tooling:

SPC (Y/N):

Date:

Date:

Run Start

Stop



Sequence ID/

Work Center ID

140

Quality Control

Operation Description

Packaging

QC2- Inspect parts off machine FAI/FAIB

Memo

Set Up/ **Run Hours**

0.00

0.00

0.00

0.00

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number

Insp. Stamp

150

Quality Control

Packaging

QC5- Inspect part completeness to step on W/O

Memo

Memo

0.00

0.00

160

Packaging

14/0-		WORK OPPER OUT NOTO										
W/O:			W	ORK ORDER CHANG	ES							
DATE	STEP	PRO	CEDURE CH	ANGE	By	/	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector		
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Dort No.		DAD #.	Fault Oat	PEAL	NOD.	/ N	- 50		D-4			
Part No		PAR #:										
	R	esolution:							Date:			
NCR:		V	VORK ORI	DER NON-CONFORMA	ANCE (N	ICR)						
DATE	OTED	Description of NC Corrective Action			ion B	Veritic			Approval	Approval		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		gn & Date	Section C		Chief Eng	QC Inspector		
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Wednesday, July 13, 2011 12:45:00 PM

Item ID:

D3281-2L02

Revision ID:

Item Name:

Floor Protector, Fwd RH (Black)

Start Date:

7/13/2011

Start Qty: 5.00

Operation

Description

Req'd Qty: 5.00

Date:

Date:

QC21- Final Inspection - Work Order Release

Memo

Required Date: 7/20/2011

Reference:

Approvals:

Process Plan:

QC:

Sequence ID/ **Work Center ID**

170

Quality Control

Accept



Setup Start

Stop



Cust Item ID:

Customer:

Date:

Date:

Run

Qty

Start

Stop

Set Up/ **Run Hours**

0.00

Tooling:

SPC (Y/N):

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Reject Number

Insp. Stamp

11/1/22 4st MF 11-04-21

W/O:		_	W	ORK ORDER CHANGI	ES				· · · · · · · · · · · · · · · · · · ·
DATE	STEP	PRO	OCEDURE CHA	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
•		PAR #:	Fault Cate	egory:	NCR: Yes	No DQA:		Date:	
·	R	esolution:	Disposition: QA: N/C Closed:					Date: _	
NCR:			WORK ORE	DER NON-CONFORMA	NCE (NCR)				.*
DATE	CTED	Description of NC Corrective Action			Section B Verif			Approval	Approval
DAIL	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Chief Eng	QC Inspector
				· · · · · · · · · · · · · · · · · · ·				"	
									,

Picklist Print

Wednesday, July 13, 2011 12:44:58 PM

Work Order ID: 71916

Parent Item:

D3281-2L02

Parent Item Name: Floor Protector. Fwd RH (Black)



Start Date: 7/13/2011

Start Qty: 5.00

Required Date: 7/20/2011

Required Qty: 5.00

Comments:

IPP Rev:A 04.07.01 New issue KJ/JLM

IPP Rev B 07.08.07 Thermoform in house DL

Add Step 105 Dry Material 10/04/21 DL

IPP Rev. C

Component Item ID/ Item Name

Replacement Mfg/ Item ID Purch

Primary Item Location

Last Location Route Seq ID

Unit of Measure Hand

Qty on

Qty per Kit Total

Qty

Issued

Qty

Date Status Issued

MLEXS.093-F6006-02

Purchased

No

Loc Qty

21.665

Page 1

sf

771.9516

GE PLASTICS LEXAN SHEET

Location

therm

10675

771.95158 105.89 666.06158 Loc Code

21.665 sq ft

_											
W/O:			W	ORK ORDER CHAI	VGES						
DATE	STEP	PRO	OCEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
<u> </u>											
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes No DQA: Date:						
	R	esolution:					Date: _				
NCR:		•	WORK ORD	ER NON-CONFOR	MANCE	(NCR)			***************************************		
DATE	STEP	Description of NC			Section B	Verification		Approval	Approval		
	Section A		Initial Chief Eng			Sign & Date	Section C		Chief Eng	QC Inspector	
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DART AEROSPACE LTD	Work Order: 7/9/6
Description: Floor Protector, Fwd RH	Part Number: D3281-2
Inspection Dwg: D3281 Rev: F	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

THERMOFORMING SECTION

Description	Accept	Reject	Method of Inspection	Comments
Inside Radii less than 0.1875" Go/No Go	1			
Shape Definition	V			
Texture Retention	1/			<u> </u>
Material imperfections such as bumps, cracks, voids, scratching	~			, , , , , , , , , , , , , , , , , , , ,
Measured by:				

TRIMMING SECTION

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
18.3	+/-0.100	183"	~		TAPE DLOI	
17.4	+/-0.100	17.44	-/-		[ATE DI.01	
12.1	+/-0.100	12 1 "	~		TAPE DL-01	
0.95	+/-0.030	0.9764			Vern TI+-01	
0.25	+/-0.030	0,270"			Vern THOI	
0.030	Min	0.049"			Very TH-191	
0.070	Min	0.0854			CAL TH-DT.	
		h l				

Measured by:

Audited by:

Date: 1/07/18

Date: 0/07/18

Preliminary Approval:

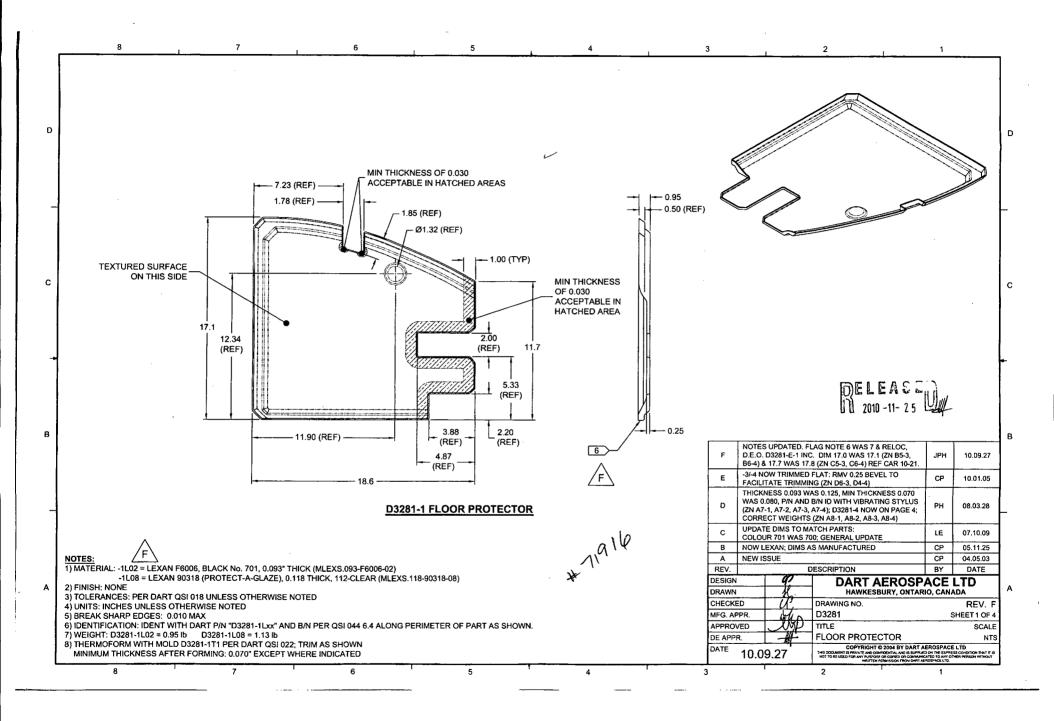
Date:

Rev	Date	Change	Revised by	Approved
Α	08.02.28	New Issue	KJ/DL	
В	08.04.16	Dimensions updated per Dwg Rev D	KJ/DL	
С	08.07.23	Dwg Rev updated	KJ/DL	
D	08.09.12	Tolerance revised for 0.070 dimension	KJ/DL	
_E	10.09.01	Dwg Rev updated	KJ 10	711
F	11.06.21	Dwg Rev updated	KJ KJ	

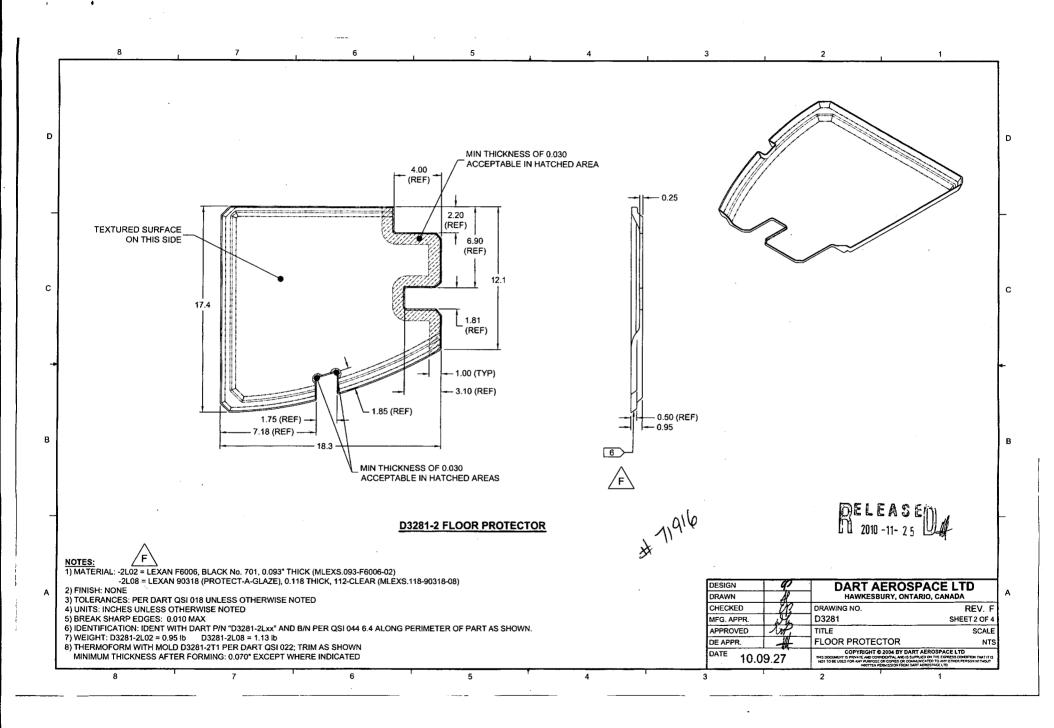
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W/O:			WC	RK ORDER CHANGI	ES		_		,
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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					.				
Part No:		PAR #:	Fault Cated	gory:	NCR: Yes	No DQ	A:	Date: _	
Resolution:			Disposition: QA			losed:	-	Date: _	
NCR:				ER NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC		on B	Verific	cation	Approval	Approval	
- JAIL	SIEP Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		ion C	Chief Eng	QC Inspector	
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NOTE: Date & initial all entries

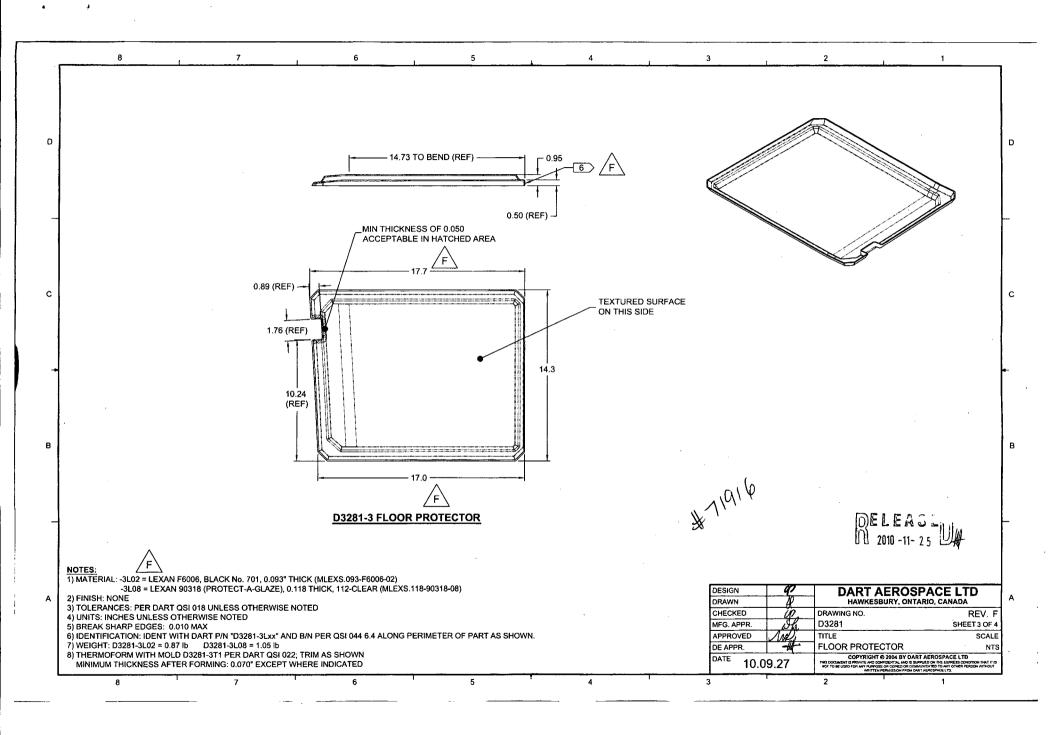
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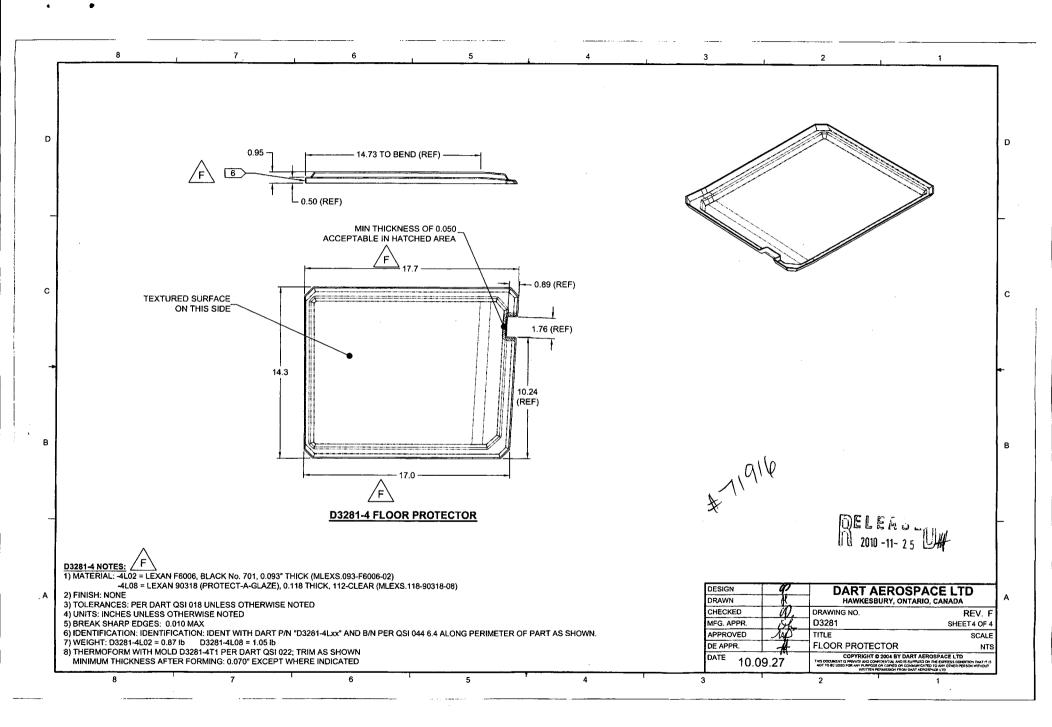
												
W/O:			W	ORK ORDER CHANG	ES							
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
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		·							-			
		PAR #:	Fault Cate	Fault Category: NCR: Yes No DC					DQA: Date:			
Resolution:			Disposition: QA:			sed:		Date: _				
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR)						
DATE	STEP Description of NC Section A	Description of NC	Description of NC Corrective Actio				erification Approval		Approval			
DATE		Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section		Chief Eng	QC Inspector				
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W/O:			WC	ORK ORDER CHANGE	S					
DATE	STEP	PROCEDURE CHANGE			Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No	•	PAR #:	Fault Category: NO			NCR: Yes No DQA: Da				
Resolution:			Dispositio	QA: N/C Ci	osed:	Date:				
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR	1)				
DATE	STEP	Description of NC Section A	Corrective Action Section Initial Action Description			Sign & Verification C			Approval	
			Chief Eng	Chief Eng	Date	Secti	on C	Chief Eng	QC Inspector	
					:					
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	Johago									
W/O:			WC	ORK ORDER CHA	NGES					
DATE	STEP	PROCEDURE CHANGE				Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				•						
Part No:		PAR #:	Fault Category:			: Yes N	o DQA: Date:			
Resolution:			Disposition:			N/C Clo	sed:	Date:		
NCR:			WORK ORD	ER NON-CONFOR	RMANCE	(NCR)	N. Tu	•		
DATE	STEP	Description of NC		Section B	Veritica			Approval	Approval	
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	on	Sign & Date	Secti	on C	Chief Eng	QC Inspector
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W/O:		WORK ORDER CHANGES										
DATE STEP		PRO	PROCEDURE CHANGE					Date Qty Approval Chief Eng / Prod Mgr				
			,									
					·			•				
Part No:		PAR #:	Fault Category: NC			ICR: Yes No DQA: Da				ate:		
	Re	solution:	Q.	A: N/C CI	<u>·</u>							
NCR:		;	WORK OR	DER NON-COI	NFORMANC	E (NCR	3)					
DATE	STEP	Description of NO	Corrective Action Section B			1 0: 0	Verifica	ation	Approval	Approval		
DAIL	OIL!		Initial Chief Eng	Action De		Sign & Date	Section	n C	Chief Eng	QC inspector		
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